

DECLARATION

- USA PATENT APPLICATION

STANF.18A

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled FIBER OPTIC AMPLIFIER; the specification of which

(check one): ☒ is attached hereto.

☐ was filed on _____ as
Application Serial No. _____,
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.58(a);

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)Priority Claimed

(Number) (Country) (Day/month/year filed)

☐ ☒
yes no

(Number) (Country) (Day/month/year filed)

☐ ☒
yes no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

Prior USA Application(s)

(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status-patented, pending, abandoned)

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

Page 2	ATTORNEY'S DOCKET NO.
DECLARATION	STANF.18A

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Herbert John Shaw *401-106*
 Inventor's signature *Herbert John Shaw* Date 11/15/83
 Residence 719 Alvarado Row, Stanford, California 94305 *CA*
 Citizenship U.S.A.
 Post Office Address Same as above

Full name of second joint inventor, if any Michel J. F. Dignonnet *4103-106*
 Inventor's signature *Michel J. F. Dignonnet* Date Nov. 15, 1983
 Residence 2307 Harvard Street, Palo Alto, California 94306 *CA*
 Citizenship France
 Post Office Address Same as above

Full name of third joint inventor, if any _____
 Inventor's signature _____ Date _____
 Residence _____
 Citizenship _____
 Post Office Address _____

KNOBBE, MARTENS, OLSON & BEAR

Teletypewriter: (714) 760-9502

Cable Address: CALPAT

STANF.18A (S81-142)

In re application of Herbert J. Shaw et al.
Serial No. Unknown
Filed Herewith
For FIBER OPTIC AMPLIFIER

ASSOCIATE POWER OF ATTORNEY

THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Sir:

The following named person(s) is/are hereby appointed
as associate attorneys to prosecute the above identified


application and take all actions respecting the same:

Harold E. Gillmann, Reg. No. 25,336	Gerald L. Cline, Reg. No. 29,231
Litton Systems, Inc.	Litton Systems, Inc.
5500 Canoga Avenue	5500 Canoga Avenue
Woodland Hills, CA 91367	Woodland Hills, CA 91367

Please continue to send all correspondence to

KNOBBE, MARTENS, OLSON,
& BEAR
610 Newport Center Drive, Ste 1600
Newport Beach, CA. 92660

Date Nov 22, 1983



Attorney of Record
William H. Nieman, Reg. No. 30,201

POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR UNDER RULE 32

To the Commissioner of Patents and Trademarks:

The undersigned assignee of the entire interest in the attached application for Letters Patent
for the invention in FIBER OPTIC AMPLIFIER

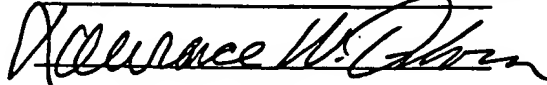
hereby appoints Louis J. Knobbe, Registration No. 18,780; Don W. Martens, Registration No. 21,107; Gordon H. Olson, Registration No. 20,319; Bruce B. Brunda, Registration 28,497; James B. Bear, Registration No. 25,221, Darrell L. Olson, Registration No. 28,247; William B. Bunker, Registration No. 29,365; John C. Lambertsen, Registration 29,400; Ronald C. Fish, Registration No. 28,843; William H. Nieman, Registration No. 30,201; Arthur S. Rose, Registration 28,038; David J. Arthur, Registration 30,707; and Lowell Anderson, Registration 30,990.

its attorneys to prosecute this application and to transact all business in the Patent Office connected there with, said appointment to be the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of Rule 32 of the Patent Office Rules of Practice.

Please direct all communications relative to said application to the following correspondence address:

KNOBBE, MARTENS, OLSON, & BEAR
610 Newport Center Drive
Suite 1600
Newport Beach, CA 92660

Telephone: (714) 760-0404

Assignee: BOARD OF TRUSTEES OF THE
LELAND STANFORD JUNIOR UNIVERSITY
By: 
Title: ASSOCIATE DIRECTOR
TECHNOLOGY LICENSING
Address: Stanford University
105 Encina Hall

ASSIGNMENT

STANF.18A

WHEREAS, WE, Herbert John Shaw and Michel J. F. Digonnet
both citizens of The United States of America, residing at 719 Alvarado Row, Stanford,
and France California 94305; and 2307 Harvard Street, Palo Alto,
California 94306

improvements in FIBER OPTIC AMPLIFIER respectively, have invented certain new and useful
for which we have executed an application for Letters Patent
of the United States, on even date herewith

WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR
UNIVERSITY, having a corporation in the State of California
is desirous of obtaining the entire right, title and interest in the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and
other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do
hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby
severally and jointly, sell, assign, transfer and set over, unto the said

BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
its successors, legal representatives and assigns, our respective rights, titles and interests, and the entire right,
title, and interest throughout the world in, to and under the said improvements, and the said application and all
divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted
thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and ap-
plications for Letters Patent which may hereafter be filed for said improvements in any country or countries
foreign to the United States, and all Letters Patent which may be granted for said improvements in any country
or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize
and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign
to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for
said improvements to the said

BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
its successors, legal representatives and assigns, in accordance with the terms of this instrument.

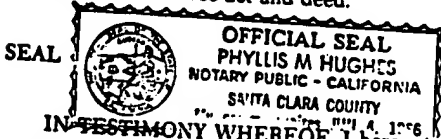
AND WE HEREBY covenant and agree that we will communicate to the said
BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify
in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all
rightful oaths and generally do everything possible to aid the said
BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said im-
provements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15th
day of October Nov, 19 83

State of California
County of Santa Clara } ss.:

Herbert John Shaw
Herbert John Shaw

On this 15th day of October Nov, 19 83, before me, a Notary Public in
and for the State and County aforesaid, personally appeared Herbert John Shaw
known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged
the same to be his free act and deed.



Phyllis M. Hughes
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15th
day of October Nov, 19 83

State of California
County of Santa Clara } ss.:

Michel J. F. Digonnet
Michel J. F. Digonnet

On this 15th day of October Nov, 19 83, before me, a Notary Public in
and for the State and County aforesaid, personally appeared Michel J. F. Digonnet
known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged
the same to be his free act and deed.